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PTO/SB/21 (09-04) (AW 10/2004)

Approved for use through 7/31/2006. OMB 0651-0031

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 6 + 6 references

Application Number 10/516,398

Filing Date December 1, 2004

First Named Inventor Hideaki Oshima et al.

Art Unit 2821

Examiner Name

Attorney Docket No. NSG-241US

**ENCLOSURES (Check all that apply)**☐ Fee Transmittal Form☐ Fee Attached☐ Amendment/Reply☐ After Final☐ Affidavits/Declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/  
Incomplete Application☐ Response to Missing Parts  
under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a  
Provisional Application☐ Power of Attorney, Revocation,  
Change of Correspondence  
Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) \_\_\_\_\_☐ Landscape Table on CD☐ After Allowance Communication  
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of Appeals and Interferences☐ Appeal Communication to TC  
(Appeal Notice, Brief, Reply  
Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please  
identify below): Search Report  
and Copies of cited references**Remarks:****SIGNATURE OF APPLICANT, ATTORNEY OR AGENT**

Firm Name Ratner Prestia

Signature

Printed Name Kenneth N. Nigon

Date January 25, 2005

Registration No. 31,549

**CERTIFICATE OF TRANSMISSION / MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or Printed Name Tonya M. Berger

Date January 25, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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NSG-241US

PATENT



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No: 10/516,398  
Applicant: Hideaki Oshima et al.  
Filed: December 1, 2004  
Title: GROUND WAVE RECEPTION ANTENNA UNIT AND METHOD FOR  
ADJUSTING ANTENNA GAIN (AS AMENDED)  
TC/A.U.: 2821  
Examiner: To Be Assigned  
Confirmation No.: 5051  
Docket No.: NSG-241US

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of the references listed on the 1449 form is enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

References JP7-273526, JP9-83242, JP2-253702, JP1-295505, JP5-82113 and JP63-31849 are not in the English language, but an English abstract thereof is attached to the copy of the reference submitted herewith.

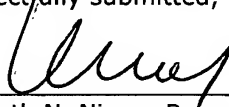
References JP7-273526, JP9-83242, JP2-253702, JP1-295505 and JP5-82113 were cited by a foreign patent office in a counterpart foreign application. A copy of this English language search report, indicating the degree of relevance determined by the foreign patent office is submitted herewith. MPEP Section 609A(3), second paragraph.

NSG-241US

PATENT

This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application or before mailing of the first Official Action. No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or statement is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

  
Kenneth N. Nigon, Reg. No. 31,549  
Attorney(s) for Applicant(s)

KNN/tmb

Enclosures: PTO Form 1449  
(6) References  
Search Report  
Transmittal Form

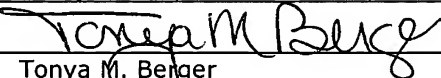
Dated: January 25, 2005

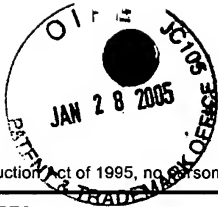
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The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. **18-0350** of any fees associated with this communication.

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January 25, 2005

  
Tonya M. Berger



PTO/SB/08a (08-03) (AW 10/2003)

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Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/516,398
Filing Date	December 1, 2004
First Named Inventor	Hideaki Oshima et al.
Art Unit	2821
Examiner Name	
Attorney Docket No.	NSG-241US

SHEET 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (If known)			
		US-			
		US-			
		US-			
		US-			
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		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)				
		JP 7-273526	10/20/1995	Nippon Sheet Glass Co., Ltd. et al.		<input type="checkbox"/>
		JP 9-83242	03/28/1997	Sharp. Corp		<input type="checkbox"/>
		JP 2-253702	10/12/1990	Japan Radio Co., Ltd.		<input type="checkbox"/>
		JP 1-295505	11/29/1989	Sanyo Electric Co., Ltd.		<input type="checkbox"/>
		JP 5-82113	04/02/1993	Toshiba Battery Co., Ltd.		<input type="checkbox"/>
		JP 63-31849	02/10/1988	Omron Tateisi Electronics Co.		<input type="checkbox"/>

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

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